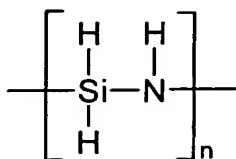


## Patent claims

1. The use of a polysilazane solution which comprises a polysilazane of the formula 1

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10 where n has been adjusted so that the polysilazane has a number-average molar mass of from 150 to 150 000 g/mol, and also comprises a solvent and a catalyst, as a primer for the coating of a surface with fluorosilanes or with fluorine-containing condensates.

2. The use as claimed in claim 1, in which the polysilazane solution comprises from 0.001 to 35% by weight of the polysilazane.

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3. The use as claimed in claim 1 and/or 2, in which the polysilazane solution comprises from 0.00004 to 3.5% by weight of the catalyst.

20 4. The use as claimed in one or more of claims 1 to 3, in which the catalyst has been selected from N-heterocyclic compounds, mono-, di-, and trialkylamines, organic and inorganic acids, metal carboxylates of the formula  $(\text{RCOO})_n\text{M}$  of saturated or unsaturated, aliphatic or alicyclic carboxylic acids where  $\text{R} = \text{C}_1\text{-C}_{22}$ , and metal ions M with charge n, acetylacetonate complexes of metal ions, metal powders with a particle size of from 20 to 500 nm, peroxides, metal chlorides, and  
25 organometallic compounds.

5. The use as claimed in one or more of claims 1 to 4, in which the solvent has been selected from aromatic, cyclic, and aliphatic hydrocarbons, halogenated

hydrocarbons, and ethers.

6. A process for producing a surface coated with fluorosilanes or with fluorine-containing condensates, by, in a first step, bringing the uncoated surface into  
5 contact with a composition which comprises a polysilazane of the formula 1 and comprises a solvent and a catalyst, and then, in a second step, bringing the surface obtained in the first step in contact with fluorosilanes or with fluorine-containing condensates.
- 10 7. The process as claimed in claim 6, in which the perfluoroalkyl-containing compound has been selected from  $C_6F_{13}$ -alkylethyltriethoxysilane,  $C_8F_{17}$ -alkylethyltriethoxysilane,  $C_{10}F_{21}$ -alkylethyltriethoxysilane, and  $C_{12}F_{25}$ -alkylethyltriethoxysilane, and the corresponding methoxy, propoxy, butoxy and methoxyethoxy, methoxydiethoxy and methoxytriethoxy compounds.
- 15 8. A coated surface obtainable by the process as claimed in claim 6 and/or 7.